



MEDICAMENT CARTRIDGE AND INJECTION DEVICE

ABSTRACT

A medicament cartridge for an injection system. The cartridge includes a tube that has first and second ends and a lumen with a longitudinal access, retaining a medicament therein. A needle is operatively associated with the second end of the tube and has a piercing end that extends into the lumen. A first stopper within the lumen is located near the second end, and movable within the lumen is located near the second end, and movable within the lumen along with the longitudinal access. A second stopper within the lumen is located near the first end and is also movable within the lumen along the longitudinal access. Relative movement between the first stopper and the needle causes the piercing end of the needle to pierce the first stopper to create a fluid pathway for the medicament through the needle. The second stopper towards the second end of the tube compresses the medicament held between the second stopper and the first stopper so that the medicament is expelled through the fluid pathway.

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